

**COMPETENCIES
EMPLOYEE SELF-ASSESSMENT**

**SYS 201 - INTERMEDIATE SYSTEMS PLANNING, RESEARCH,
DEVELOPMENT AND ENGINEERING**

SYS 201	Competency	Yes	No	Work Description/Justification
1	Diagram the current systems acquisition life cycle phases and major activities to be accomplished in each phase and relate the impacts of the on-going acquisition reform initiatives to the current life cycle.			
2	Apply the principles of Integrated Product and Process Development (IPPD) via the use of the Systems Engineering Process and Integrated Product Teams (IPTs).			
3	Classify Systems Engineering and/or Systems Engineering Process in terms of when it is applied, who applies it, and the results of each Systems Engineering Process application.			
4	Given appropriate references, relate the principles of ethical conduct to a scenario.			
5	Given varying Systems Engineering issues, determine the methodologies involved in the insertion of technology.			
6	Given appropriate references, relate the role of technical planning in the Systems Engineering effort and its relationship to overall program planning.			

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7	Given relevant references and a scenario, correctly apply the Requirements Analysis step to formulate the functional, physical, and operational requirements viewpoints within the Systems Engineering Process.			
8	Given relevant references and a scenario, correctly apply the Functional Analysis and Allocation step to formulate the functional architecture within the Systems Engineering Process.			
9	Given relevant references and a scenario, correctly apply the Synthesis step to formulate the physical architecture within the Systems Engineering Process.			
10	Given relevant references, correctly apply the verification loop in the Systems Engineering Process.			
11	Given appropriate documentation, correctly determine the Systems Engineering Process outputs.			
12	Using a scenario, develop a Work Breakdown Structure (WBS) based on the previously developed physical architecture.			

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13	Given a Statement of Work (SOW), critique its preparation, structure, and content.			
14	Relate the implementation of cost containment in an acquisition program to the Cost As an Independent Variable (CAIV) philosophy.			
15	Given a set of conflicting system requirements, propose a trade study methodology, conduct an analysis, and provide rationale.			
16	Given a scenario, relate the role and interrelationships of Configuration Management, Interface Management, and Data Management to the Systems Engineering Process.			
17	Given a scenario, apply the DoD acquisition risk management process within an Integrated Product/Process Development/ Integrated Product Team environment.			
18	Identify Measures of Effectiveness (MOEs)/Measures of Performance (MOPs), and select the critical MOPs from a given system description of requirements as Technical Performance Measures (TPMs).			

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19	Given a list of probable event criteria, select the most important events, develop a checklist, and determine how each event will be verified to assist in planning and executing a specific technical review.			
20	Given a scenario, analyze problems associated with a product improvement, recommend steps to avoid problems, and provide feasible solutions.			
21	Given examples, analyze how planning for Environmental, Safety, and Health (ESH) requirements (major statutory/regulatory provisions) influences system designs within the Systems Engineering Process.			